

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	355	713/167.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/26 07:24
L2	406	713/166.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/26 07:24
L3	605	713/165.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/26 07:25
L4	390	713/164.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/26 07:25
L5	546	726/2.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/26 07:25
L6	604	726/27.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/26 07:26
L7	1	("RACF" or "resource access control facility" or "data access control facility") same (classif\$7 near3 label)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/26 07:28
L8	2	("RACF" or "resource access control facility" or "data access control facility") and (classif\$7 near3 label)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/26 07:28
L9	38	(access adj3 control) same (classif\$7 near3 label)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/26 07:39

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L10	21	(I2 or I3 or I4 or I5 or I6) and (access adj3 control) and (classif\$7 near3 label)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/26 07:55
L11	34	US-5539906-\$.DID. OR US-5922073-\$. DID. OR US-5944794-\$.DID. OR US-6023765-\$.DID. OR US-6070243-\$. DID. OR US-6073106-\$.DID. OR US-6141754-\$.DID. OR US-6178510-\$. DID. OR US-6253203-\$.DID. OR US-6275824-\$.DID. OR US-6289344-\$. DID. OR US-6295605-\$.DID. OR US-6304973-\$.DID. OR US-6310538-\$. DID. OR US-6367016-\$.DID. OR US-6389542-\$.DID. OR US-6430561-\$. DID.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/26 08:20



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### 1 [Research sessions: security and privacy: Extending query rewriting techniques for fine-grained access control](#)



Shariq Rizvi, Alberto Mendelzon, S. Sudarshan, Prasan Roy

 June 2004 **Proceedings of the 2004 ACM SIGMOD international conference on Management of data SIGMOD '04**

Publisher: ACM Press

 Full text available: pdf(172.57 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

Current day database applications, with large numbers of users, require fine-grained access control mechanisms, at the level of individual tuples, not just entire relations/views, to control which parts of the data can be accessed by each user. Fine-grained access control is often enforced in the application code, which has numerous drawbacks; these can be avoided by specifying/enforcing access control at the database level. We present a novel fine-grained access control model based on authoriza ...

### 2 [The DIAMOND security policy for object-oriented databases](#)



Linda M. Null, Johnny Wong

 April 1992 **Proceedings of the 1992 ACM annual conference on Communications CSC '92**

Publisher: ACM Press

 Full text available: pdf(792.69 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

A formal data model and integrated multilevel security policy for object-oriented database systems are presented in this paper. The security policy addresses mandatory as well as discretionary security controls. Classes derive security classification constraints from their instances and logical instances.

### 3 [Exchange of patient records-prototype implementation of a security attributes service in X.500](#)



Marjan Jurečič, Herbert Bunz

 November 1994 **Proceedings of the 2nd ACM Conference on Computer and communications security CCS '94**

Publisher: ACM Press

 Full text available: pdf(884.04 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

In Europe, the use of computers in health care industry has increased rapidly in recent years. This increase, however, has been accomplished with research efforts in the area of privacy and confidentiality of personal data. In the German legislation, protection of personal data is guaranteed by the constitution, granting a general right to privacy. This constitutional right has been amended by the German Central Court (Bundesverfassungsgericht). It says that each individual has the right to ...

#### 4 Database security



Teresa F. Lunt, Eduardo B. Fernandez  
December 1990 **ACM SIGMOD Record**, Volume 19 Issue 4

**Publisher:** ACM Press

Full text available: pdf(578.94 KB) Additional Information: [full citation](#), [index terms](#)

#### 5 Cost profile of a highly assured, secure operating system



Richard E. Smith  
February 2001 **ACM Transactions on Information and System Security (TISSEC)**, Volume 4 Issue 1

**Publisher:** ACM Press

Full text available: pdf(165.98 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The Logical Coprocessing Kernel (LOCK) began as a research project to stretch the state of the art in secure computing by trying to meet or even exceed the "A1" requirements of the Trusted Computer System Evaluation Criteria (TCSEC). Over the span of seven years, the project was transformed into an effort to develop and deploy a product: the Standard Mail Guard (SMG). Since the project took place under a US government contract, the development team needed to maintain detailed re ...

**Keywords:** LOCK (Logical Coprocessing Kernel), security kernels

#### 6 Personal trusted devices for web services: revisiting multilevel security



Edgar Weippl, Wolfgang Essmayr  
April 2003 **Mobile Networks and Applications**, Volume 8 Issue 2

**Publisher:** Kluwer Academic Publishers

Full text available: pdf(109.95 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

In this paper we revisit the concept of mandatory access control and investigate its potential with personal digital assistants (PDA). Only if applications are clearly separated and Trojans cannot leak personal information can these PDAs become personal trusted devices. Limited processing power and memory can be overcome by using Web services instead of full-fledged applications - a trend also in non-mobile computing. Web services, however, introduce additional security risks, some of them speci ...

**Keywords:** multilevel security (MLS), personal digital assistant (PDA), personal trusted device (PTD), trusted computing base (TCB)

#### 7 Traducement: A model for record security



Tom Walcott, Matt Bishop  
November 2004 **ACM Transactions on Information and System Security (TISSEC)**, Volume 7 Issue 4

**Publisher:** ACM Press

Full text available: pdf(311.06 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#), [review](#)



Security models generally incorporate elements of both confidentiality and integrity. We examine a case where confidentiality is irrelevant to the process being modeled. In this case, integrity includes not only the authentication of origin and the lack of unauthorized changes to a document, but also the acceptance of all parties that the document is complete, signed by all parties, and cannot be modified further. This is especially critical when the document is recorded, so that it is legally t ...

**Keywords:** Integrity, recordation, security policy, traducement

**8** On the implementation of security measures in information systems ☐ R. W. Conway, W. L. Maxwell, H. L. Morgan  
April 1972 **Communications of the ACM**, Volume 15 Issue 4**Publisher:** ACM PressFull text available:  [pdf\(1.09 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

The security of an information system may be represented by a model matrix whose elements are decision rules and whose row and column indices are users and data items respectively. A set of four functions is used to access this matrix at translation and execution time. Distinguishing between data dependent and data independent decision rules enables one to perform much of the checking of security only once at translation time rather than repeatedly at execution time. The model is used to ex ...

**Keywords:** access control confidentiality, access management, data banks, management information systems, operating systems, privacy, security

**9** Joining relations in the belief-consistent multilevel secure relational model. ☐ Nenad Jukic, Susan V. Vrbsky  
April 1998 **Proceedings of the 36th annual Southeast regional conference ACM-SE 36****Publisher:** ACM PressFull text available:  [pdf\(1.97 MB\)](#) Additional Information: [full citation](#), [references](#), [index terms](#)**10** High dictionary compression for proactive password checking ☐ Francesco Bergadano, Bruno Crispo, Giancarlo Ruffo  
November 1998 **ACM Transactions on Information and System Security (TISSEC)**,  
Volume 1 Issue 1**Publisher:** ACM PressFull text available:  [pdf\(141.89 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

The important problem of user password selection is addressed and a new proactive password-checking technique is presented. In a training phase, a decision tree is generated based on a given dictionary of weak passwords. Then, the decision tree is used to determine whether a user password should be accepted. Experimental results described here show that the method leads to a very high dictionary compression (up to 1000 to 1) with low error rates (of the order of 1%). A prototype implementat ...

**Keywords:** access control, decision trees, password selection, proactive password checking

**11** The Department of Defense communications in the 21st century ☐ L. M. Paoletti  
January 1992 **ACM SIGCOMM Computer Communication Review**, Volume 22 Issue 1**Publisher:** ACM PressFull text available:  [pdf\(691.92 KB\)](#) Additional Information: [full citation](#), [abstract](#), [index terms](#)

The Department of Defense (DoD) is one of the biggest users of communications in the world. Communications systems are used not only for the administration of the Department, but, most critically, for the command and control of force structures. To this end, the Defense Communications Agency (DCA) strives to ensure that the Department's missions are carried out with state-of-the-art communications systems. In this article an architecture is postulated to achieve the Department's objective of rap ...

**12** Providing non-hierarchical security through interface mechanisms ☐Deborah Hamilton  
August 1994 **Proceedings of the 1994 workshop on New security paradigms NSPW**

'94

**Publisher:** IEEE Computer Society PressFull text available:  pdf(627.68 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Common security models provide protection in an hierarchical fashion (i.e. there is a trusted core with outer circles of less secure code and data). There is only one method of providing protection. This model makes it difficult to protect code and data with multiple types of non-hierarchical policies. It implies complete trust in the core requiring thorough evaluation each time modifications are made. This paper first describes a paradigm shift to non-hierarchical security. It then ...

**13** [Proactive password checking with decision trees](#)

F. Bergadano, B. Crispo, G. Ruffo

April 1997 **Proceedings of the 4th ACM conference on Computer and communications security CCS '97****Publisher:** ACM PressFull text available:  pdf(1.27 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

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